1105-05-335 **Jerrold R Griggs** and **Kevin G Milans*** (milans@math.wvu.edu), West Virginia University, Morgantown, WV, and **David Oxner** and **David Stoner**. *Tilings of Hypercubes.* Preliminary report.

A graph G tiles a graph H if there is a partition of $V(H)$ into parts that induce copies of G. Which graphs G have the property that for n sufficiently large, G tiles the n-dimensional hypercube Q_n? Not much is known. For G to tile a sufficiently large hypercube, it is clearly necessary that G is contained in some hypercube and that $|V(G)|$ is a power of two. When G is acyclic, these conditions are also sufficient. (Received September 23, 2014)